



## **Eco-Logical Business Program**

### **Landscape Services Application**

Thank you for applying for EcoBiz

We recognize landscaping operations that reach the highest standards in environmental best practices and work to prevent air, water, and hazardous waste pollution.

A program representative will assist with completing the checklist, schedule a site visit, and help you complete your certification.

EcoBiz Technical Assistance Provider:



## Contact Information

Contact Name

Title/Position

Business Name

Street Address

City, State, Zip Code

Email

Phone

Website

How many employees do you have?

## Introduction

Complete the following steps to become EcoBiz Certified: *Program*

- Complete all sections of the landscape checklist that apply for your business.
- Complete an initial site visit of your yard, storage areas, and office.
- Provide example site plans, standard operating procedures, and customer guides.
- Provide copies of licenses, bonds, insurance, and related certifications.
- Submit at least three (3) work locations for program staff to visit.
- Adopt recommendations and complete final site visit with Oregon DEQ and local water authority.

Notes:



# Licenses, Bonds and Insurance

<b>LB11 legal</b>	Are you a licensed landscape contracting business? <i>Contact the Landscape Contractors Board of Oregon for more information: lcb.info@oregon.gov or (503) 967-6291</i> Enter LCB number.	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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## General Landscape Practices

<b>GL1 prog.</b>	Have all employees who install or maintain landscapes been trained in the following?  <ul style="list-style-type: none"> <li>• Erosion control</li> <li>• Safe equipment handling procedures</li> <li>• Need for/proper use of hearing protection</li> <li>• Proper handling of chemicals and waste</li> <li>• Spill prevention and response procedures, including location of spill kits</li> <li>• Principles of Integrated Pest Management</li> <li>• Plant and pest identification</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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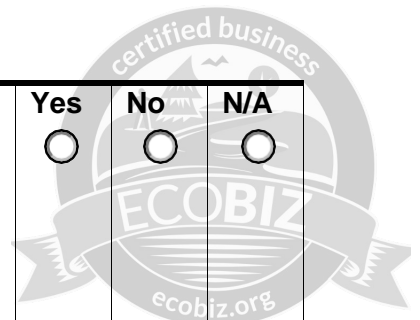
<b>GL2 prog.</b>	Do employees receive continuing education every year? <i>Example sources of education below.</i> <ul style="list-style-type: none"> <li>• College Coursework</li> <li>• Local nonprofits</li> <li>• Landscape Industry Certified Technician (OLCA)</li> <li>• NALP or other national certification</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>GL3 prog.</b>	Do you practice any of the following to attract beneficial species?  <i>At least 2 required</i> <ul style="list-style-type: none"> <li>• Select insectary plants to attract beneficial species and repel pests</li> <li>• Group plants in 4' clumps for pollinators</li> <li>• Install boxes, wood brush, rock piles, grasses, and pole boxes</li> <li>• Install mud banks for amphibians</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>GL4 prog.</b>	Do you condition and prepare soil per specifications for beds, turf, crop plants, etc.?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>GL5 prog.</b>	Do you identify and remove undesirable plants and appropriately compost (i.e., take invasives to commercial composter)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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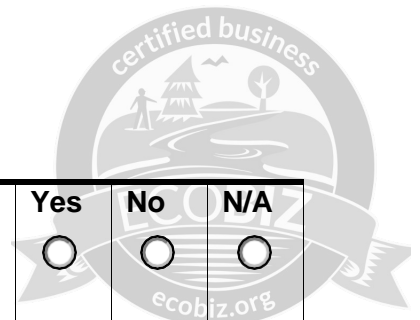
<b>GL6 prog.</b>	Do you replace high input plants (i.e., require fertilizers and pest control) with low input plants?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>GL7 prog.</b>	<p>Do you utilize preventative, least-toxic methods for disease and pest control and evaluate for treatment effectiveness?</p> <p><i>(50% per section required)</i></p> <p><b>Cultural</b></p> <ul style="list-style-type: none"> <li>• Pest/disease resistant plants</li> <li>• Conservation watering practices</li> <li>• Organic amendments or slow release fertilizers</li> <li>• Maintenance of high species diversity and elimination of monocultures in plantings</li> <li>• Dense planting to shade out weeds.</li> <li>• Sterile or sanitary techniques to prevent the spread of pests (cleaning tools after use)</li> </ul> <p><b>Physical / Mechanical</b></p> <ul style="list-style-type: none"> <li>• Mulching planting beds</li> <li>• Traps (e.g. yellow sticky boards, traps)</li> <li>• Barriers (wood ash or copper, plastic edging, landscape fabric, beer traps)</li> <li>• Hand removal (e.g. pests; diseased tissue)</li> <li>• Hand weeding / string trimming / mowing /cultivation</li> <li>• Biological (Non-chemical)</li> <li>• Use of natural or introduced beneficial species (e.g. plants, insects or disease parasitoids, predators, microbial products)</li> <li>• Pheromone traps</li> <li>• Companion plantings</li> <li>• Allelopathic plants</li> </ul> <p><b>Chemical Controls</b> <i>(skip if no chemical controls used)</i></p> <ul style="list-style-type: none"> <li>• Spot treatment, rather than blanket application</li> <li>• Select chemical with lowest toxicity (i.e. insecticidal soap) and/or shortest residual effect</li> <li>• Appropriate timing (to coincide with pest or disease life stage) for maximum control</li> <li>• Appropriate chemical for the problem</li> <li>• No combined products (such as weed and feed or disease and insect treatments)</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>GL8 prog.</b>	<p>When installing new plants, do you backfill with same soil (mix in compost) versus using amended soil?</p>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>GL9 elect.</b>	<p>Do you identify and salvage plants for reuse during appropriate season (i.e. evergreens late fall and deciduous early spring)?</p>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>GL10 prog.</b>	<p>Do you refrain from pruning more than a ¼ of the tree in one year?</p>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>

# ECOBIZ LANDSCAPE SERVICES CHECKLIST

<b>GL11</b> <i>elect.</i>	Do you replace plants that require heavy pruning?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>GL12</b> <i>elect.</i>	Do you treat tree wounds without the use of paints or coats?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>GL13</b> <i>legal</i>	<p>Do you check for local city/county ordinances affecting your work prior to starting?</p> <ul style="list-style-type: none"> <li>• Zoning: property lines, setbacks, environmental resources, etc.</li> <li>• Tree requirements</li> <li>• Building codes</li> <li>• Stormwater management requirements</li> <li>• Plumbing codes (required for installers)</li> <li>• Erosion control regulations (required for installers)</li> <li>• Covenants or deed restrictions (CCR's from HOAs)</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>GL14</b> <i>prog.</i>	<p>Do you help clients understand the advantages of "green" landscaping techniques and practices, and how they affect their property? <i>At least one required for each section.</i></p> <p><b>Plant Maintenance</b></p> <ul style="list-style-type: none"> <li>• Comprehensive Integrated Pest Management (IPM)</li> <li>• The different aesthetics that come with natural maintenance</li> <li>• The value of ongoing monitoring visits</li> <li>• Plant substitution (native, non-invasive or non-spreading, etc.)</li> </ul> <p><b>Water Use</b></p> <ul style="list-style-type: none"> <li>• Explain Irrigation system scheduling and maintenance</li> <li>• Provide information about water management based on season, temperatures, etc.</li> <li>• Water use reduction, conservation, rainwatercapture</li> <li>• Alternative water resources</li> <li>• Explain the benefits of grasscycling and composting</li> </ul> <p><b>Pollution Prevention</b></p> <ul style="list-style-type: none"> <li>• Provide a list of alternatives to chemical fertilizers</li> <li>• Provide a list of alternatives to pesticides</li> <li>• Show how to prevent runoff, and explain why</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>



## General Design

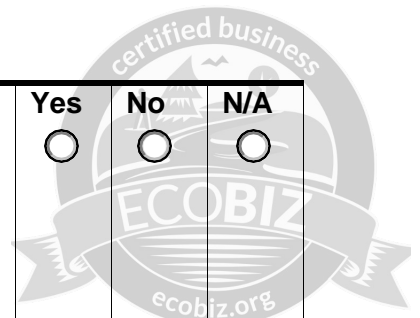
<b>GD1 prog.</b>	For work on private property, are you or do you have a certified landscape designer on staff? <ul style="list-style-type: none"> <li>• APLD certification</li> <li>• Registered Landscape Architect (ORS 671.310 to 671.459)</li> <li>• College Degree</li> </ul> <i>Specify training or certification</i>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>GD2 prog.</b>	Do you use one of the following techniques to investigate utility locations onsite? <ul style="list-style-type: none"> <li>• Call locator service</li> <li>• Check service maps</li> <li>• Pothole (hand dig to locate buried pipes)</li> <li>• Previous site design notes/maps</li> <li>• Homeowner interview</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>

## Pesticide Use

<b>PU1 legal</b>	Do all employees who apply Restricted Use Pesticides have current Pesticide Applicator's license issued by the Oregon Department of Agriculture?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PU2 prog.</b>	Do you prioritize products with the following characteristics? <ul style="list-style-type: none"> <li>• Target specific</li> <li>• Pest life-stage &amp; site appropriate</li> <li>• Safe for applicator &amp; site users</li> <li>• Low mobility &amp; persistence</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PU3 prog.</b>	Do you limit pesticide/herbicide use to Class III and IV EPA toxicity ratings (labeled with "Caution")?  List pesticides of concern, and application information:	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PU4 prog.</b>	Do you avoid using any of the following pesticides, except as a last resort?  Beta-cyfluthrin, Bifenthrin, Carbaryl, Chloropicrin, Chlorpyrifos, Cyfluthrin, Deltamethrin, Dichloropropine, Dichlorvos, Diquat dibromide, Disulfoton, Endosulphan, Hydramethylnon, Imidacloprid,	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>



	<p>Lambda cyhalothrin, Metaldehyde, Methomyl, Methyl bromide, Mycobutanil, Paraquat, Parathion, Permethrin, Propoxur, Trichlorfon, Triforine, Acephate, Abamectin, Cypermethrin, Dimethylamine, Esfenvalerate, Rotenone, Tetramethrin</p> <p><b>Persistent and Bioaccumulative:</b></p> <p><b>Pesticides:</b> Bifenthrin (Talstarone, Talstar), Chloripyrifos (Dursban, Empire, Scout), Clopyralid (Stinger, Transline, Reclaim,[2][6] Curtail, Confront, Clopyr AG, Lontrel, Millennium Ultra, Redeem), Deltamethrin (Suspend SC), Diazinon (Namco, 4E, Knox Out 2FM), Dicofof (Acarin, Dicomite, Mitigan), Endosulfan Sulfate (Beosit, Thifor), Esfenvalerate (Asana XI Hallmark), Fenbutatin-Oxide (Promite &amp; Venex 50), Fipronil (Termidor SC, Maxforce AntBait), Isodrin, Lambda-Cyhalothrin (Spectracide Wasp/Hornet), Linuron (Afolon, Linex, Lorox), Myclobutanil(Systhane), Nonachlor, Oxyflurofen (Goal, Koltar), Pendamethalin (Pendulum WDG), Picloram, Trifluralin (Flurene SE, Treeflan, Trim, Trust)</p> <p><b>Fungicide:</b> Pentacholorobenzene, Prochlorax (Sportak).</p> <p><b>Neonicotinoids:</b></p> <p>Clothianidin, Dinotefuran, Imidacloprid, Thiamethoxam</p> <p>List any pesticides of concern, and application conditions:</p>			
<p><b>PU5</b> <i>elect.</i></p>	<p>Have you replaced any of the pesticides listed with a less toxic alternative?</p> <p>List product substitution:</p>	<p><b>Yes</b></p> <p><input type="radio"/></p>	<p><b>No</b></p> <p><input type="radio"/></p>	<p><b>N/A</b></p> <p><input type="radio"/></p>
<p><b>PU6</b> <i>prog.</i></p>	<p>Do you provide customers with the name of any chemical used on-site, and/or post advanced notification of upcoming pesticide applications?</p> <p>List notification procedures:</p>	<p><b>Yes</b></p> <p><input type="radio"/></p>	<p><b>No</b></p> <p><input type="radio"/></p>	<p><b>N/A</b></p> <p><input type="radio"/></p>
<p><b>PU7</b> <i>elect.</i></p>	<p>Are you routinely looking at ways to reduce chemical use in practices?</p> <p>Describe:</p>	<p><b>Yes</b></p> <p><input type="radio"/></p>	<p><b>No</b></p> <p><input type="radio"/></p>	<p><b>N/A</b></p> <p><input type="radio"/></p>



<b>PU8 prog.</b>	Do you alter or cancel spraying based on current conditions?  <i>All required:</i> Wind, Rain, Open waterways adjacent to property, High evaporation rate, Incorrect pest life stage, Workers or bystanders in the area.	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>PU9 elect.</b>	Do you minimize pesticide container waste with any of the following?  <ul style="list-style-type: none"> <li>• Refillable containers</li> <li>• Effervescent tablets with limited or no containers</li> <li>• Polyvinyl alcohol (PVA) water soluble containers</li> <li>• Gel-based formulations</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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## Irrigation Maintenance

<b>IM1 prog.</b>	When not using a WaterSense labeled controller, do you implement irrigation schedules that consider soil and slope conditions, and apply cycle and soak schedules when appropriate?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>IM2 prog.</b>	When using a WaterSense labeled controller, do you utilize the features of the controller to minimize wasted water?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>IM3 prog.</b>	Do you proactively evaluate irrigation system for leaks or inefficiencies?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>IM4 prog.</b>	Do you specify and install master valves and flow sensors with electronic flow rate output signal that interfaces with irrigation controllers to detect leaks and shut down the system?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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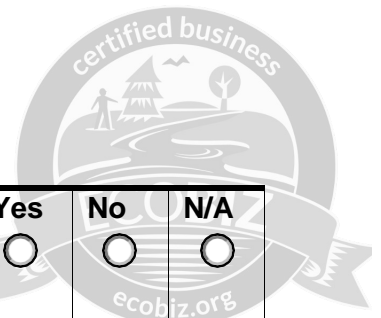
<b>IM5 prog.</b>	Do you evaluate water usage to propose water-saving opportunities for customers?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>IM6 prog.</b>	Do you winterize your systems (i.e. shut down and drain)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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<b>IM7 elect.</b>	Do you do catch can audits to verify lower quarter distribution uniformity?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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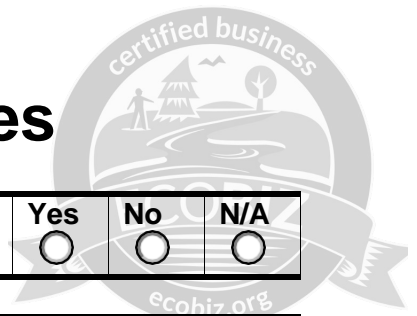
<b>IM8 elect.</b>	Do you use an air compressor to expel water from the lines near the check valves for winterization?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
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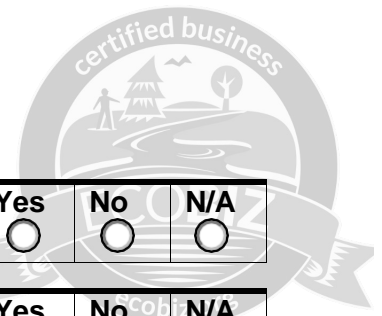
# Irrigation Design

<b>ID1 prog.</b>	<p>To design irrigation systems, does your company employ one of the following?</p> <ul style="list-style-type: none"> <li>• Certified Irrigation Designer (Irrigation Association standards)</li> <li>• Landscape Architect</li> <li>• Control System Manufacturer training (Rainbird, etc) + Certified Irrigation Auditor (Irrigation Association standards)</li> <li>• Other design professional - college degree, etc.</li> </ul> <p>List training or certification:</p>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID2 prog.</b>	Do you always promote or offer Watersense controllers when applicable?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID3 prog.</b>	Do you install pressure reducing apparatuses to meet PSI standards?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID4 prog.</b>	Do you incorporate drip systems into design of beds as appropriate to eliminate runoff, evaporation, and plant damage?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID5 prog.</b>	When appropriate do you install irrigation heads with check valves?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID6 prog.</b>	Do you adhere to standard spacing (square, triangular) and matched precipitation conventions to maximize distribution uniformity?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID7 prog.</b>	Do you install pressure compensating, matched precipitation rate nozzles for each irrigation zone?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID8 elect.</b>	Do you size pipe to maintain 10-15% of working pressure throughout each zone?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID9 elect.</b>	Do you incorporate water harvesting (i.e. cisterns or rain barrels)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>ID10 prog.</b>	<p>Have all employees who handle large-scale irrigation projects been trained in the following?</p> <ul style="list-style-type: none"> <li>• Water management / budgeting</li> <li>• Irrigation system design &amp; repair</li> <li>• Specific capabilities of any system they operate</li> <li>• Irrigation meter billing structure</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>



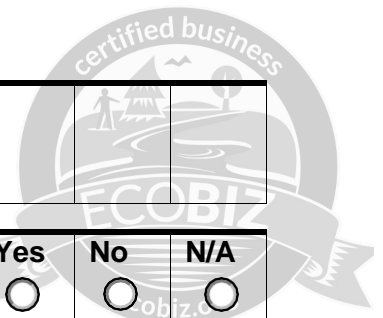
# Ponds and Water Features

<b>PW1</b> <i>elect.</i>	Do you select low volume bubblers over ponds?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW2</b> <i>elect.</i>	Do you setback ponds 25ft from surface water (to control invasives)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW3</b> <i>prog.</i>	Do you establish water feature emergency overflows to protect buildings and adjacent property?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW4</b> <i>prog.</i>	Do you create buffers around water features to prevent chemical inputs from turf/landscape?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW5</b> <i>elect.</i>	Do you design large ponds with a minimum surface area of 50sf or 8ft diameter with a maximum depth of 18-36"?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW6</b> <i>prog.</i>	Do you use recirculating pumps to move a minimum of half the volume of ponds every hour (to promote water movement)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW7</b> <i>elect.</i>	Do you use multiple valves for flow control and provide a shut off/draining function in ponds?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW8</b> <i>elect.</i>	Do you keep the water course short and the drop length low in ponds (to reduce spray	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW9</b> <i>elect.</i>	Do you use rocks to keep waterfalls in contact with wet surfaces in ponds (to reduce water loss)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW10</b> <i>prog.</i>	Do you use shade, water movement, skimming and filtration as opposed to chemical treatment in ponds (to reduce algae)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW11</b> <i>prog.</i>	Do you use emergent, submergent and floating plant species in ponds (to create a stable diverse plant community)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW11</b> <i>prog.</i>	Do you use native or noninvasive exotics in ponds?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW12</b> <i>elect.</i>	Do you cover 60% of open water on ponds with surface or overhead vegetation (for temperature control)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>PW13</b> <i>prog.</i>	Do you design/install a (min) 25ft underground overflow/outlet on ponds (to cool water prior to discharge)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>



# Turf

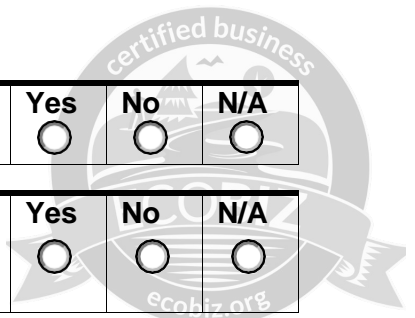
<b>TU1</b> <i>prog.</i>	When appropriate, do you grass cycle to reduce fertilizer application?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU2</b> <i>prog.</i>	Do you use low grow, no mow groundcover, particularly on slopes?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU3</b> <i>prog.</i>	Prior to turf installation, do you blend compost into the top 4" of soil?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU4</b> <i>prog.</i>	Do you refrain from cutting grass more than 1/3 of the blade height?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU5</b> <i>prog.</i>	Do you offer core aerating?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU6</b> <i>elect.</i>	Do you apply 1/2" compost post-aeration?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU7</b> <i>elect.</i>	Do you eliminate thatch greater than 1" to prevent restricted flow of air, water and nutrients?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU8</b> <i>elect.</i>	Do you monitor and amend for optimal soil pH (6.5 - 7)?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU9</b> <i>elect.</i>	Do you use IPM practices to address and prevent turf-related infestations?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU10</b> <i>elect.</i>	Do you apply slow release fertilizer with a calibrated spreader?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU11</b> <i>elect.</i>	Do you spot treat weeds when they are at 30% coverage or less and reserve full spray when weeds are at 50% coverage or more?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU12</b> <i>elect.</i>	Do you apply chemicals when roots are growing (when irrigation is available) at the end of November/before the rainy season?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU13</b> <i>prog.</i>	Do you use organic fertilizers and soil amendments and follow proper application rates?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>TU14</b> <i>prog.</i>	Do your designs or modifications minimize turf area by incorporating the following? <ul style="list-style-type: none"> <li>Avoiding turf on slopes</li> <li>Avoiding traditional turf in shaded areas</li> <li>Using grass turf only where required by client for recreation or other needs</li> </ul>	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>



	<ul style="list-style-type: none"> <li>• Routinely recommending alternatives to turf</li> <li>• Replace turf in difficult-to-mow locations with low maintenance beds</li> </ul>			
<b>TU15 prog.</b>	<p>Do your design or modifications minimize maintenance by incorporating the following?</p> <ul style="list-style-type: none"> <li>• Specifying low growing or clumping species that need minimal mowing</li> <li>• Turfed areas are edged to prevent grass spread</li> <li>• Areas under trees are not seeded with standard turf species</li> <li>• Turf is replaced with groundcover or mulch to reduce water or chemical inputs</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>TU16 prog.</b>	Do you select turf appropriate for slope, soil and microclimate?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>TU17 elect.</b>	Do you remove turf without use of chemicals?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>

## Hardscapes

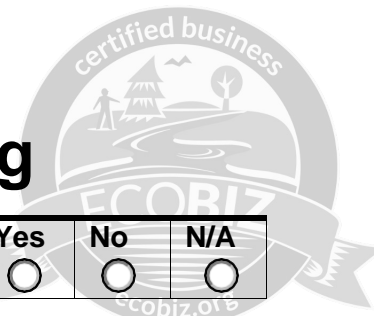
<b>HA1 legal</b>	<p>Do you understand and adhere to any local jurisdiction requirements for stormwater management practices?</p> <p><i>At least two required:</i></p> <ul style="list-style-type: none"> <li>• Limited or no hard surfaces</li> <li>• Porous pavement or alternative material that allows drainage</li> <li>• Tree canopy over hardscapes</li> <li>• Increased infiltration from rain garden, bioswale, etc.</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>HA2 prog</b>	<p>Do you minimize impacts, such as increased runoff or temperature pollution, from impervious landscapes?</p> <p><i>At least two required:</i></p> <ul style="list-style-type: none"> <li>• Limited or no hard surfaces</li> <li>• Porous pavement or alternative material that allows drainage</li> <li>• Tree canopy over hardscapes</li> <li>• Increased infiltration from rain garden, bioswale, etc.</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>HA3 prog.</b>	Do you use natural pervious material (e.g., hazelnut shells, wood chips, gravel, etc.) in lieu of impervious materials for hardscapes?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>



<b>HA4 prog.</b>	When installing hardscapes, do you manage excavation spoils appropriately (onsite or reuse off-site)?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>HA5 prog.</b>	Do you properly collect and dispose of concrete wastes during hardscape installation by dewatering to the sanitary system and disposing of dry solids in a waste bin?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>HA6 prog.</b>	Do you reuse or recycle spent or unused materials at recycling centers/landfills that accept wood, metal and concrete after hardscape installation?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>HA7 prog.</b>	Do you prioritize use of the following materials? <ul style="list-style-type: none"> <li>• Untreated, naturally rot-resistant wood products (e.g. cedar)</li> <li>• Alternative products (plastic or composite lumber)</li> <li>• Wood products preserved with less-toxic treatments like Alkaline Copper Quaternary (ACQ) rather than Chromated Copper Arsenate (CCA)</li> <li>• Sustainably harvested wood, such as Juniper</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>HA8 prog.</b>	When maintaining hardscapes, do you use the following practices?  <i>3 or more required:</i> <ul style="list-style-type: none"> <li>• Mechanically remove weeds and moss</li> <li>• Dry sweeping</li> <li>• Avoid hosing off hardscapes</li> <li>• Closely monitoring CCA treated wood, and replacing with non-toxic alternative whenever possible.</li> <li>• Cleaning decks and fences with biodegradable/phosphate-free soap</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>

## Lighting

<b>LI1 prog.</b>	Do you offer LED retrofits when replacing lights?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>LI2 elect.</b>	Do you design/install lighting systems to emit no light above the "horizontal"?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>LI3 prog.</b>	Do you use light fixtures approved by the International Dark Sky Association? <a href="http://www.darksky.org">www.darksky.org</a>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>LI4 elect.</b>	Do you use no more than 80% of the transformer capacity for a lighting system?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>LI5 elect.</b>	Do you use astronomical control clocks/relay panels in lieu of (and replace) photo cells in lighting systems?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>



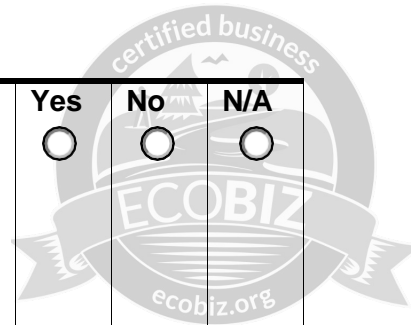
## Office & Materials Handling

<b>OM1 prog.</b>	Do you have knowledge of the sewer and storm water drainage systems in your shop and site?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>OM2 prog.</b>	Do you cover waste and bulk materials to prevent stormwater pollution?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>OM3 prog.</b>	Do you have systems in place to recycle the following materials? <ul style="list-style-type: none"> <li>• Paper and cardboard</li> <li>• Scrap metal and cans</li> <li>• Plastic bottles, tubs and buckets</li> <li>• Glass</li> <li>• Household, vehicle, &amp; equipment batteries</li> <li>• Planting/nursery pots</li> <li>• Tires</li> <li>• Fluids</li> <li>• Mowers</li> </ul>	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>OM4 prog.</b>	Does your business follow best practices to prevent spills? <ul style="list-style-type: none"> <li>• Maintenance and refueling occurs only in designated area within a covered and contained area</li> <li>• Small-scale dispensers or shutoffs on larger tank systems</li> <li>• Vehicle batteries stored under cover in a container</li> <li>• Spill kits are placed where liquids are stored or transferred, and on all vehicles</li> <li>• Employees are trained in spill response annually</li> </ul>	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>OM5 legal</b>	Do you use portable gas cans that have current EPA specified nozzles?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
<b>OM6 legal</b>	Do you properly handle and dispose of materials from quarantine areas?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>

## Vehicles and Equipment

<b>VE1 prog</b>	Do you routinely inspect safety shields, fuel lines, equipment fluids, blades, power cords and spark plugs?	Yes <input type="radio"/>	No <input type="radio"/>	N/A <input type="radio"/>
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# ECOBIZ LANDSCAPE SERVICES CHECKLIST



<b>VE2 legal</b>	Do you take any of the following measures to protect employees' hearing? <ul style="list-style-type: none"> <li>• Provide a range of protective equipment</li> <li>• Use mechanical sound barriers or mufflers on equipment</li> <li>• Select equipment with minimal noise production when possible</li> <li>• Annual hearing tests</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>VE3 prog.</b>	Do you purchase equipment with the following characteristics? <ul style="list-style-type: none"> <li>• If gas, four-cycle rather than two-cycle engines</li> <li>• 2008 or newer equipment</li> <li>• Overhead valve rather than side valve engines</li> <li>• Mowers</li> <li>• Mulching with wide mowing deck</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>VE4 elect.</b>	Have you invested in propane, electric, biodiesel, or manual equipment?	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>VE5 prog.</b>	Have you taken steps to reduce fuel use and emissions? <ul style="list-style-type: none"> <li>• Hybrid or electric vehicles</li> <li>• Fleet management software</li> <li>• Re-refined motor oil or lubricants</li> <li>• Route optimization</li> <li>• Idle reduction</li> <li>• Cab top solar technology for battery recharging</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>VE6 legal</b>	Do you use one of the following methods for discharging vehicle and equipment wash water? <ul style="list-style-type: none"> <li>• Zero-discharge, closed loop wash bay</li> <li>• Discharge to sanitary, with permission*</li> <li>• Discharge to surface waterways with permission*</li> <li>• Discharge to storm sewer, with permission*</li> <li>• Use an approved off-site facility</li> <li>• Less 8 pieces per week, with no soap and cold water</li> </ul> <p><i>*Permission and documentation from the local sewage authority and/or DEQ.</i></p> <p>Describe system:</p>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>



# Diversity, Equity & Inclusion

<b>DEI1</b> <i>prog.</i>	<p>Does your business practice one of the following to ensure a diverse and inclusive workforce?</p> <ul style="list-style-type: none"> <li>• Job openings are shared with professional trade groups that support the advancement of marginalized populations and communities.</li> <li>• The organization has a formalized policy to recruit, hire, and provide professional development opportunities to persons from marginalized populations and communities.</li> <li>• The organization is locally owned and operated by persons from marginalized populations and communities.</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>DEI2</b> <i>elect.</i>	<p>Is information available to customers, clients, and/or the community in multiple languages?</p>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>
<b>DEI3</b> <i>elect.</i>	<p>Does your business practice any of the following?</p> <ul style="list-style-type: none"> <li>• An employee group has management support to inform and advance efforts related to equity, diversity, and inclusion.</li> <li>• An employee at the management level owns overall responsibility for equity, diversity, and inclusion efforts within the organization.</li> <li>• Employees and/or management receive annual education on equity issues.</li> </ul>	<b>Yes</b> <input type="radio"/>	<b>No</b> <input type="radio"/>	<b>N/A</b> <input type="radio"/>